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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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EXAMINER
BLACKMAN, A

ART UNIT	PAPER NUMBER
2774	

DATE MAILED: 12/21/98

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

☐ Responsive to communication(s) filed on _____.

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire ____*3*____ month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) *1-36* _____ is/are pending in the application.

    Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) *1-36* _____ is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☒ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐approved ☐disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

    ☒ All ☐ Some* ☐None of the CERTIFIED copies of the priority documents have been

      ☒ received.

      ☐ received in Application No. (Series Code/Serial Number) _____ .

      ☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    *Certified copies not received: _____ .

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☒ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- *SEE OFFICE ACTION ON THE FOLLOWING PAGES* ---

DETAILED ACTION

Claim Rejections - 35 USC § 103

1.The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness

rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of
this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject
matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art
to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claims 1-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Risberg et al(U.S.

Patent No. 5,339,392) in view of Lauer et al(U.S. Patent No. 5,523,769).

Consider claims 1, 15, 16, 17, and 27. Risberg et al's "Apparatus and Method for Creation

of a User Definable Video Displayed Document Showing Changes in Real Time Data", teach

elementized market data feed and paged market data feed (Figure 3(32, 36, and 34), and column

18; lines 45-60), extract values from specified fields of the data object(Figure 8,(112 and 114),

and column 23; lines 56-68 and column 24; lines 1-9), store extracted values(Figure 8(112, 114,

116, 118, 120), and column 23; lines 62-68 and column 24; lines 1-9), file/database(Figure 9(132

and 152), column 24; lines 10-25, lines 64-68 and column 25; lines 1-6), script processor(Figure

9(154), column 25; lines 7-68 and column 26; lines 1-9, network and format operations(column

47; lines 47-52, and column 48; lines 20-38), correspond to input port..., filter means...,

memory..., data structure..., correlating means..., and formatting means..., however, Risberg et

al does not disclose large wall-size displays comprising active modules, with each module having its own display device and display means. On the other hand, Lauer et al disclose large wall-size displays comprising active modules, with each module having its own display device and display means(Figures (1a, 1b, 3, 4, 5, and 6), column 3; lines 57-67, column 4; lines 1-67 and column 5; lines 1-22). It would be obvious to one skilled in the art at the time of the invention to combine Risberg et al's electronic device which includes up to date: stock, financial, and market data when combined with Lauer et al's large screen display means form a suitable environment to display real time data related to stock, financial, and market information in order to improve the image display of real time financial and market information.

Consider claim 2. As to claim 1, Risberg et al disclose (stock ticker) feed means(Figure 1(19), column 3; lines 14-31, column 10; lines 29-68 and column 11; lines 1 and 2).

Consider claim 3. As to claim 1, Risberg et al disclose the current price of stock(column; 1; lines 56-59).

Consider claim 4. As to claim 1, Risberg et al disclose the display of graphic symbols(Figure 1(18, 19), column 10; lines 28-34, column 11; lines 16-35, and column 28; lines 57-59), correspond to graphic symbols.

Consider claim 5. As to claim 1, Risberg et al disclose trade data moving across a

common window (Figure 1(18 and 19), column 1; lines 60-64), correspond to ticker display data.

Consider claims 6, 7, and 8. As to claim 1, Risberg et al disclose networking means

(column 8; lines 48-67 and column 9 lines 1-3, column 47; lines 47-68 and column 48; lines 1-38),

however, does not disclose input processing means with a plurality of display processing means.

Lauer et al disclose input processing means and plurality of display processing means(column 3;

lines 57-67, column 4; lines 1-67 and column 5; lines 1-22), input processor, control means for

synchronizing the display processors, and control means that includes a control processor coupled

to the display processors, however, does not disclose a networking means. It would have been

obvious to one of ordinary skill in the art at the time of the invention to modify Risberg et al's

electronic device that includes networking means of real time data(column 8; lines 48-67 and

column 9 lines 1-3, column 47; lines 47-68 and column 48; lines 1-38) with Lauer et al's: input

processing means and display means(column 3; lines 57-67, column 4; lines 1-67 and column 5;

lines 1-22), because Risberg et al would have an electronic device with better networking means

to process the display information.

Consider claim 9. As to claim 1, Lauer et al disclose device controller means of image

display(Column 2; lines 28-52, and column 7; lines 25-52).

Consider claims 10 and 11. As to claim 1,   Risberg et al disclose trade data moving across a common window (Figure 1(18 and 19), column 1; lines 60-64) and networking means (column 8; lines 48-67 and column 9 lines 1-3, column 47; lines 47-68 and column 48; lines 1-38), correspond to means for moving ticker display, video wall display processors.

Consider claims 12 and 13. As to claim 1, ... "implementation of generic tools for data manipulation and display"(column 47; lines 47-52, and column 48; lines 20-52), correspond to plurality of routing switches... controlling the routing, and routing switches.

Consider claim 14. As to claim 1, Risberg et al disclose a voice processor(Figure 9(124), column 24; lines 10-28), correspond to an audio source for producing audio signals.

Consider claims 18, 19, 20 and 21. As to claim 1, Risberg et al disclose script processor(Figure 9(154), file/database(Figure 9(132), column 24; lines 65-68, column 25; lines 1-68 and column 26; lines 1-9) correspond to electronic device, and source of bit map data means.

Consider claim 22. As to claim 18, Risberg et al disclose two feed handlers(Figure 3(34

and 36), and file/database(Figure 9(132, 150, 152, 66, and 154), correspond to data scrolled on

the display and updated according to market conditions.

Consider claim 23. As to claim 22, Risberg et al teach extraction of values from specified

fields of the data object(Figure 8,(112 and 114), and column 23; lines 56-68 and column 24; lines

1-9), store extracted values(Figure 8(112, 114, 116, 118, 120), and column 23; lines 62-68 and

column 24; lines 1-9), file/database(Figure 9(132 and 152), column 24; lines 10-25, lines 64-68

and column 25; lines 1-6), script processor(Figure 9(154), column 25; lines 7-68 and column 26;

lines 1-9), network and format operations(column 47; lines 47-52, and column 48; lines 20-38),

correspond to filter extracting data and placing data in database.

Consider claim 24. As to claim 17, Risberg et al disclose ticker data means(column 11;

lines 16-35), correspond to a database that contains bitmap data in a database.

Consider claim 25. As to claim 24, Risberg et al disclose current price of stock (column 1;

lines 39-41, and 56-60).

Consider claim 26. As to claim 24, Risberg et al disclose the extraction of values from

specified fields of the data object(Figure 8,(112 and 114), and column 23; lines 56-68 and column

24; lines 1-9), store extracted values(Figure 8(112, 114, 116, 118, 120), and column 23; lines 62-68 and column 24; lines 1-9), file/database(Figure 9(132 and 152), column 24; lines 10-25, lines 64-68 and column 25; lines 1-6), correspond to a filter extracting data and placing the data in database.

Consider claims 28 and 29. As to claim 27, Risberg et al disclose script processor(Figure 9(154), and column 24; lines 65-68, column 25; lines 1-68 and column 26; lines 1-9), corresponds to a data source containing financial information and bit map data, and financial information includes company identifiers.

Consider claim 30. As to claim 27, Risberg et al disclose ticker means(column 1; lines 56-67).

Consider claim 31. As to claim 27, Risberg et al disclose input events(column 24; lines 16-25), ... filtering the source, corresponds to filtering and extracting the data to place in the database.

Consider claims 32, 33, and 36. Risberg et al disclose ticker display means(column 18; lines 45-68), corresponds to a method for displaying stock ticker information, accessing the

graphic symbols, a method for dynamically displaying graphic symbols and value information for financial instruments.

Consider claim 34. As to claim 32, Risberg et al disclose file/database(Figure 9(132), column 24; lines 65-68, column 25; lines 1-68 and column 26; lines 1-9), corresponds to a source of bit map data means.

Consider claim 35. As to claim 32, Risberg et al disclose current price of stock and changes in price of stock(column 1; lines 53-68).

Conclusion

3.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Higgins(U.S. Patent No. 5,270,922) disclose financial market ticker, routing network stock symbol followed by an identifier, current trade information, scrolling display, however, Higgins does not contain large display with plurality of monitors(video wall). Hagiwara et al(U.S. Patent No. 5,784,035) disclose a large screen display , however, does not include display means for ticker market display, nor logo means of display. Jonker et al(U.S. Patent No. 5,245,324) disclose logo display means, however doe snot disclose plurality of routing switches.

Any inquiry concerning this communication or earlier communications from the examiner should

be directed to Anthony Blackman whose telephone number is (703) 305-0833. The examiner can

normally be reached on Monday through Thursday from 8 a.m. to 4 p.m. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Richard Hjerpe, can be reached on (703) 305-4709.

Any response to this action should be mailed to:

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or faxed to:

(703) 308-6606, (for formal communications intended for entry)

Or:

(703) 305-9731 (for informal or draft communications, please label
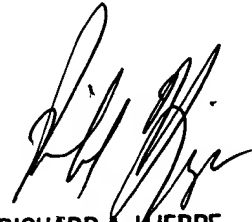
"PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington. VA.,

Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be

directed to the Group receptionist whose telephone number is (703) 305-3900.

Anthony J. Blackman

December 2, 1998

RICHARD A. HJERPE
SUPERVISORY PATENT EXAMINER
GROUP 2700